

ABSTRACT

The present invention relates to an afterburner device (1) and a method for operating an afterburner device (1), especially for chemical reformers for obtaining hydrogen, for making heat available from fuels and/or residual gases from a reforming process and/or a fuel cell process. In this context, heat is supplied in a controlled manner from recirculated combustion gases to a first housing (5) and/or a combustion chamber (8) situated in it and at least in part filled with heat resistant, open-pored foamed ceramics (4). The regulation takes place, for instance, based on a temperature recorded in the combustion chamber using an infrared light measurement.

(Figure 1)